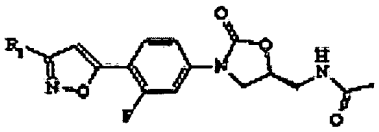
ABSTRACT

The present invention relates to novel oxazolidinone derivatives represented as following compound I and a process for the preparation thereof. The compounds of the present invention have wide antibacterial spectrum, superior antibacterial activity and low toxicity. Therefore, it can be expected to use as novel antibacterial agent.

[compound I]



wherein, R_1 is alkylcarboxyl group or $-CH_2R_2$(wherein, R_2 is OH, argido group, $-OR_3$(wherein, R_3 is C_{1-4} alkyl, methansulfonyl, p-toluensulfonyl, carboxyl, C_{1-4} alkylcarboxyl, C_{1-4} alkylcarbonyl, benzyloxycarbonyl, or imidazolylcarbonyl), or $-NHR_4$).

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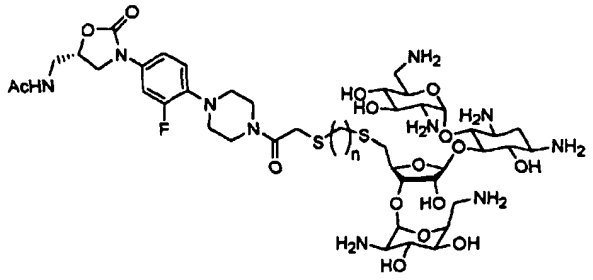

(1)

(57) Abstract: The present invention relates to heterodimeric conjugates of neomycin-oxazolidinone of formula 1, their preparation and their use. Because of their heterodimeric structure, they can recognize both stems and loops of the RNA motif and show a strong binding force to certain RNAs. Accordingly, they can be effectively used as an antiviral agent or an antibacterial agent with enhanced pharmaceutical efficacy and reduced side effect. Formula (I) Wherein, Ac and n are as defined in the description.

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